Fig. 1

NL1:

GGC'	rcc	TCA	rct	GGA	ACA	CCT	'CGG	GTC	ACC	CCC	GAC	AAC	GGT	GGT	GGG	AGG	GAG	AGC	GGC	60
CTC	CTC	CTC	CCT	GGT	'GGG	GCC	TGT	'CTG	GGT	GAA	GCC	CCT	CTG	ттс	CCG	AGG.	ATC	GTC	CCA	120
ACC	ccc	AGC	CGG	GTG	CTC	CGA	.GCC	ATG	GCC	GAC	ACC	ĀTC	TTC	GGC	AGC	GGG.	AAT	GAT	CAG	180
								М	A	D	T	I	F	G	s	G	N	D	Q	12
TGG	ЭТТ	TGC	CCC.	AAT	'GAC	CGG	CAG	CTT	GCC	CTT	CGA	.GCC	AAG	CTG	CAG.	ACG	GGC	rgg	TCC	240
W	V	С	₽	N	D	R	Q	L	Α	L	R	A	K	L	Q	Т	,G	W	S	32
GTG	CAC	ACC!	rac	CAG	ACG	GAG	AAG	CAG	AGG.	AGG	AAG	CAG	CAC	CTC.	AGC	CCG	GCG	GAG	GTG	300
V	Н	T	Y	Q	Т	E	K	Q	R	R	K	Q	Н	L	S	P	А	E	V	52
GAG	GCC	ATC	CTG	CAG	GTC	ATC	CAG	AGG	GCA	GAG	CGG	CTC	GAC	GTC	CTG	GAG	CAGO	CAG.	AGA	360
E	Α	I	L	Q	V	I	Q	R	A	E	R	L	D	V	L	E	Q	Q	R	72
ATC	GGG	CGG	CTG	GTG	GAG	CGG	СТG	GAG.	ACC.	ATG	AGG	CGG	AAT	GTG.	ATG	GGG?	AAC	3GC	CTG	420
I	G	R	L	v	E	R	L	E	Т	М	R	R	N	V	М	G	N	G	L	92
TCC	CAG	TGT	CTG	CTC	TGC	GGG	GAG	GTG	CTG	GGC'	rtc	CTG	GGC.	AGC'	TCGʻ	TCG	GTG1	TC	TGC	4- 80
S	Q	С	L	L	С	G	E	V	L	G	F	L	G	s	s	s	٧	F	С	112
AAA	GAC	TGC!	AGG	AAG	GTC	TGG	AAG	AGG'	TCG	GGG	GCC	TGG	TTC	TAC	AAA	GGG	CTCC	CCC.	AAG	540
ĸ	D	С	R	K	V	W	K	R	S	G	A	W	F	Y	K	G	L	P	К	132
TATA	ATC	TTG	CCC	CTG	AAG	ACC	CCT	GGC	CGA	GCT(ЭАТ	GAG	CCC	CAGʻ	TTC	CGA	CCTI	'GG	ccc	600
Υ	I	L	P	L	K	T	P	G	R	Α	D	Ε	P	Q	F	R	₽	W	P	152
ACG	ЗАА	CCG	GCA(GAG	CGA	.GAG	CCC	AGA	AGC'	TCT(3 A G	ACC.	AGC	CGC	ATC	raca	ACG1	'GG	GCC	660
Т	E	P	A	E	R	E	P	R	s	s	E	Т	s	R	I	Y	Т	M	А	172
CGA	3GA	AGA	3TG	GTT	TCC	AGT	GAC	AGT	GAC.	AGT(GAC	TCG	GAT	CTT	AGCʻ	rcci	rcce	AGC	СТА	720
R	G	R	V	V	S	s	D	s	D	S	D	s	D	L	s	s	`s	S	L	192
GAGG	GAC.	AGAC	CTC	CCA	TCC	ACT	GGG	GTC	AGG	GAC	CGG.	AAA	GGC	GAC/	ሊዲД(CCCI	'GGA	\AG(3AG	780
E	D	R	L	Р	s	T	G ·	V	R	D	R	K	G	D	K	P	W	K	Ε	212
TCAC	GT.	GGCA	AGC(ЗТG	GAG	GCC	aca.	AGG	ATG	GGG1	rrc.	ACC	CAA	ccc	GCG	GCC	CACC	TC	гтт	840
s	G	G	S	v	E.	Δ	p	R	м	c	r.	ጥ	0	D	ת	_	11	T	-	222

GGG'	TTG	CAGA	GC/	٩GC	CTG	GCC	AGT (GTC	SAGA	CGG	GC	ACAG	GC1	CTC	CTC	SACC	CGC	CAC	3GG	900
G	L	Q	s	s	L	Α	S	G	E	T	G	Т	G	S	Α	D	Ρ	Þ	G	2,52
GGA	GGG.	ACAG	GCT	rct	GCT	GAC	CCGC	CAC	GGGG	GAC	CCC	CGCC	CCC	GGGC	TGF	ACCC	GAA	\GG(GCC	960
G	G	T	G	s	A	D	P	P	G	G	Р	R	P	G	L	Т	R	R	А	272
CCG	GTA	AAAG	SAC	ACA	CCT	GGA	CGAG	CCC	CCCG	CTC	GCT(GACC	GCA(GCTO	CCAC	SCA(GCC	ccc	rcc	1020
P	V	K	D	T	Р	G	R	A	P	Α	Α	D	A	A	P	Α	G	P	s	292
AGC	TGC	CTGO	GC'	TGA	.GGT	GTC	TGGT	rgc	CTGG	AA(CAG.	ACTT	rcc	CTGT	rgg <i>i</i>	AGG.	\TTC	CCT	GCC	1080
S	С	L	G	*													;			296
AGA	.ccc	TGCC	CCG	GCT	CCT	ccc	TGAC	CCG	STCC	TTC	3TG	CCC	rca	CCA	3AC	ACCO	CTGI	TG	GCC	1140
ATG	ACT	CAA	CAA	ACC	AGT	GTT	GGGA	\GC(CGTC	TG	CCT	ccc	CAG	CTC?	AGT(3CC1	ттс	TG	CAC	1200
CCC	TTC	тстс	CT	GGG	GAG	CTG	TCTO	GCA'	rcce	GC?	ACC	CCC1	rcc	AAC	CAC	rgco	CTC	CAG	ccc	1260
CCG	ACC	TTAT	r t t.	ΓΤA	ACC	CTC	ccc'	rcc	CAC	ACC	CCC	AAT	CTA	CCT	GGT	GAT	GAT'	ттт	AAG	1320
ፐ ፐፐ	GCG	CGT	GTC	TTC	GGT	TGG	GCT	GGG	GGG1	rTT	cçc	'ACA'	rgc	AGT	GTC.	AGA	GGG	GCC	GCC	1380
CGG	TGG	GGC:	rat	CTC	CCGT	TGC	TAT	ATT.	AATO	GC.	AAG	ACT	ААА	TGA	AAC	CTA	GGG	CAC	GGC	1440
CTC	CGA	AGC	rgc	GTO	TGG	ccc	CTT.	AGA	GGT	GAG	CAT	CAG	AGC	CAG.	AGC	AGT	GAG	GGG	GAG	1500
ACT	CAC	CCA	CCC	TCT	CCC	тст	'CCC'	rtc.	AGCT	ГСТ	GGG	ÅGG	CAG	GCG	CAG	TGC	CCC	CCT	CCC	1.560
ATG	GGC	TGG	CCC	AGG	GACC	GCG	GGT	GAA	ACC!	rgg	GTC	TGT'	TTA	GTT.	тст	TTG	G T T	TTT	GTA	1620
TGT	TTG	TTT	ЭTТ	TTI	'GAC	ACA	GTC'	TCG	CTTT	rgt'	TGC	CCA	GGC	TGG	GGT	GCA	GTG	GCA	.CGA	1680
TCG	CGG	CTC	ACT	GCF	ACC	TCC	ACC'	TCC	CGG	GCT	CAA	.GCG.	АТТ	CTC	TCA	CCT	CAG	CCT	CCT	1740
GAG	TAG	GTG	GGA	TTF	ACAG	ATG	CCC	GCC	ACC!	ACA!	ccc	'AGT'	AA1	TTT	TTG	TAT	TTT'	TAG	AAG	1800
AGA	TGG	GGT	rtc	TCC	CATG	TTG	GCC.	AGG	CTG	GTC'	TTG	AAC'	TCC	TGG	TCT	CAA	GTG	ATC	CGC	1860
CCG	CCT	'CGG(CCT	CCC	CAAA	GTG	CTG	GGA	TTAG	CAG	GTG	TGA	GCC	ACC	GCA	CCC.	тдд	CCT	TTA	1920
AGG	TTT	'CTT'	TGA	ATC	ccc	TCA	TGG	CCT	GCC:	rgg	TTT	TTG	CTC	AGC	CTG	TĊT	TCA	GCT	TGA	1980
GGA	GCT	'GGG	AAG	CTC	CTGG	TGG	ATG	СТА	TGA	ЭСТ	CAC	TTG	CTG	AAG	AGC	AGC	GTT	CAG	GTG	2040
CAT	,ccc	CAG	CCA	GGC	GCAC	GTC	GCT	ccc	TCAG	GCC.	ATG	AAT'	TCA	CTT	CTC	TTC.	AGG.	AGG	TTT	2100
GGC	TTC	GCA'	ТGА	LAA.	CATA	TTC	ATT	CAG	AGT	ΑTG	GGC	AAA	TGC	ттс	TGG	A,A,A,	ACC	CTT	CCC	2160
TGA	\AGP	\GAG	AGA	ACC	STGT	GTG	TGT	GTG	TCG	STG.	ATC	ACA	ccc	TCC	CAT	CCT	TCC'	TGC	CTC	2220
ÇTO	CCC	CAA	ACC	ccc	GGT	TCC	TGG	GTC	TGG	٩AG	GGC	CTT	СТС	TCC	AAG	ÇTG	GGA	GCT	CCT	2280

GGGCCCCACCATTCACTTTTTGTCCTTGCTGCAAACAGTAAAGAAACTCACTTTC 2340

CC"	rgro	GC.	ACG'	ТТА'	TGC	rtca	\GA <i>P</i>	ATT#	JAA.	ACA?	₹TG₽	∖ AG <i>!</i>	\T T ₽	\AA.	A					2385
Fiç	j. 2	2																		
CLI	::																			
GGC	TCC	CTC	ATCI	rgg/	\AC	ACCT	'CGG	GTC	AC	ccc	CGAC	AAC	CGGI	'GG'	rggo	GAGO	3GAC	SAGO	GGC	60
CTC	ССТС	CTC	CCCI	rggi	rggo	GCC	TGT	'CTG	GG1	rga <i>i</i>	\GCC	CCI	CTG	TT	CCC	3AG0	ATO	CGTC	CCA	120
ACC	ccc	CAG	CCGC	GTC	GCT(CCGA	.GCC	ATG	GCC	CGAC	CACC	ATC	ттс	:GG	CAGO	cggç	SAAI	'GAT	'CAG	180
								M	A	D	Т	Ι	F	G	S	G	N	D	Q	12
TGG	GTT	TG	ccc	CAAT	rgac	CCGG	CAG	CTT	GCC	CTI	'CGA	.GCC	AAG	CTO	GCAC	SACC	GGC	TGG	TCC	240
W	V	С	P	И	D	R	Q	L	A	L	R	А	K	L	Q	T	G	W	s	32
GTG	CAC	CACC	CTAC	CCAC	ACC	GAG	AAG	CAG	AGG	AGG	AAG	CAG	CAC	CTC	CAGO	ccc	GCG	GAG	GTG	300
V	Н	Т	Y	Q	T	Ε	K	Q	R	R	К	Q	Н	L	s	P	A	E	V	52
GAG	GCC	АТС	CCTG	CAC	GTC	CATC	CAG	AGG	GCP	GAG	CGG	CTC	GAC	GTC	CTC	GAG	CAG	CAG.	AGA	360
E	A	I	L	Q	٧	I	Q	R	Α	E,	R	L	D	V	L	E	Q	Q	R	- 72
ATC	GGG	CGC	GCTG	GTG	GAG	CGG	CTG	GAG	ACC	ATG	AGG	CGG	AAT	GTG	ATC	GGG	AAC	GGC	CTG	420
I	G	R	L	٧	E	R	L	E	Т	М	R	R	И	V	М	G	N	G	: L	92
TCC	CAG	TGT	CTG	CTC	TGC	GGG	GAG	GTG	CTG	GGC	TTC	СТG	GGC	AGC	TCG	TCG	GTG	TTC	TGC	480
s	Q	С	L	L	С	Ġ	E	V	L	G	F	L	G	s	s	s	V	F	С	112
AAA	GAC	TGC	CAGG	AAC	AAA	GTC	TGC.	ACC.	AAA	TGT	GGG.	ATC	GAG	GCC	TCC	CCT	GGC	CAG	AAG	540
K	D	С	R	K	K	V	С	Т	K	C	G	I	E	A	s	P	G	Q	K	132
CGG	CCC	CTG	STGG	CTG	TGT	'AAG	ATC'	TGC	AGT	GAG	CAA	AGA	GAG	GTC	TGG	AAG	AGG	TCG	GGG	600
R	P	L	W	L	С	K	Ι	С	s	Ē	Q	R	Ε	V	W	K	R	s	G	152
GCC	TGG	TTC	CTAC	AAA	.GGG	CTC	CCC	AAG'	rat	ATC	TTG	ccc	CTG	AAG	ACC	CCT	GGC	CGA	GCT	660
A	M	F	Y	K	G	L	Р	Κ	Y	I	L	Б	L	K	T	P	G	R	A	172
GAT	GAC	ccc	CCAC	TTC	CGA	.CCT'	TTG	CCC	A.CG	GAA	CCG	GCA	GAG	CGA	.GAG	CCC	AGA	AGC:	rct	720
D	Д	P	Н	F	R	Р	L	P	T	E	P	A	E	R	E	Р	R	S	S	192
P:\原文境	羽書修	打版\US	S\US-368	0.DOC/J	AN															

GAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAGTGGTTTCCAGTGACAGTGACAGT	780
ETSRIYTW ARG RVVSS DS DS	212
GACTCGGATCTTAGCTCCTCCAGCCTAGAGGACAGACTCCCATCCACTGGGGTCAGGGAC	840
D S D L S S S S L E D R L P S T G V R D	232
CGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCCAGGATGGGG	900
R K G D K P W K E S G G S V E A P R M G	252
TTCACCCAACCCGCGGGCCACCTCTTTGGGTTGCAGAGCAGCCTGGCCAGTGGTGAGACG	960
FTQPAGHLFGLQSSLAS'GET	272
GGCACAGGCTCTGCTGACCCGCCAGGGGGAGGGACAGGCTCTGCTGACCCGCCAGGGGGA	1020
G T G S A D P P G G G T G S A D P P G G	292
CCCCGCCCCGGGCTGACCCGAAGGGCCCCGGTAAAAGACACACCTGGACGAGCCCCCGCT	1080
PRPGLTRRAPVKDTPGRAPA	312
GCTGACGCAGCTCCAGCCCCCCCCCAGCTGCCTGGGCTGAGGTGTCTGGTGCCTGGAA	1140
ADAAPAGPSSCLG*	325
CAGACTTCCCTGTGGAGGATTCCTGCCAGACCCTGCCCGGCTCCTCCCTGACCGGTCCTT /	1 200
GTGCCCTCACCAGACACCCTGTTGGCCATGACTCAACAAACCAGTGTTGGGAGCCGTCTG	1260
CCTCCCCAGCTCAGTGCCTTTCTGCACCCCTTCTCTCCTGGGGAGCTGTCTGCATCCGCC	1320
ACCCCTCCAACCACTGCCCTCAGCCCCGACCTTATTTATT	1380
CCCAATCTACCTGGTGATGATTTTAAGTTTGCGCGTGTCTTGGGTTGGGCTGGGGGGTTT	1440
CCCACATGCAGTGTCAGAGGGGCCGCCCGGTGGGGCTATCTCCGTTGCTATATTAATGGC	1500
AAGACTAAATGAAACCTAGGGCACGGCCTCCGAAGCTGCGTGTGGCCCCTTAGAGGTGAG	1560
CATCAGAGCCAGAGCAGTGAGGGGGAGACTCACCCACCCTCTCCCTTCCCCTTCAGCTCT	1620
GGGAGGCAGGCGCAGTGCCCCCTCCCATGGGCTGGCCCAGGACCGCGGGTGAAACCTGG	1680
GTCTGTTTAGTTTCTTTGGTTTTTGTATGTTTGTTTTTTTT	1740
TGCCCAGGCTGGGGTGCAGTGGCACGATCGCGGCTCACTGCAACCTCCACCTCCCGGGCT	1800
CAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCCACCACA	1860
CCCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGGCTGGTC	1920
TTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAG	1980

Fig.3

CL2:

																				CUZ.
60	igC	AGCG	GAG.	AGG	GGG.	GT(3GTC	AAC	GAC	CCC	CC	GTCA	CGG	CCTC	ACA(GGA!	rcto	'CA'	'CCI	GGC1
120	CA	GTCC	ATC	AGG.	CCG.	rtc	CTGT	CCT	GCC	GAA	GT	CTG	GT	GCC1	3GG(GGT	CCT	TC	CTCC	CTC
180 م	CAG	GATO	AAT	GGG	AGC	GGC.	rtc	ÅΤC'	ACC	GAC	3CC	ATGO	GC.	CGA	CTC	GTG(CGG	\GC(CCF	ACC
240	\G T	AGCA	CAC	.CTG	TGA	CAC	AAG	GCC/	CGA	CTT	GC G	CTT	CAG	CGG	GAC(AAT	ccci	'GC	FTT	TGG
300	3GC	ACG	CAG	CTG	AGG	CAG	GGG	GG T	ACA	AGC	raa	TCT:	rgg	ccc'	AGT(CAC	CAA	SAC	CAGO	GAÁ
360	3CG	CCG	AGC	CTC	CAC	CAG	AAG	AGG.	AGG.	CAG	\AG	GAGA	4CG	CAG	rac	ACC'	CAC	TG	rcgo	TGG
420	CAG	GAG	CTG	GTC	GAC	CTC	CGG	GAG	GCA	AGG	CAG	ATC	STC	CAG	CTG	ATC	GCC.	SAG	STGO	GAG
480	\AC	GGG	ATG	GTG	AAT	CGG	AGG	ATG	ACC	GAG	CTG	CGG	GAG	GTG(CTG	CGG	GGG	ATC	AGA/	CAG
8	N	G	М	V	N	R	R	М												
540	ЗТG	TCG	CTCG	CAGC	iGGC	CTG	TTC	GGC	CTG	GTC	GAG	:GGG	TGC	CTC	CTG	TG T	CAG	rcc	CTG	GGC
28	V	s	S	S	G	L	F	G	L	٧	E	G	С	L	L	С	Q	s	L	G
600	GGC	CCT	CTCC	GCC	GAG	ATC	GGG	TGT	AAA	ACC	TGC	GTC	AAA	AAG	AGG	TGC	GAC	AAA	TGC	TTC
48	G	Р	S	A	E	I	G	С	К	T	С	V	K	К	R	С	D	K	С	F
660	AGG	SAAG	CTGC	GGTC	AGAC	AGA	CAA	GAG	CAGT	TGC	ATC	AAG	TGI	CTG	TGG	сте	GCCC	CGG	AAG	CAG
68	R	K	W	٧	E	R	Q	Ε	s	С	I	к	С	L	M	L	P	R	к	Q

TCG	GGG	GCC	CTGG	TTC	TAC	AAA	GGG	CTC	CCC	AAG	TAT	ATC	TTG	CCC	СТС	AAG	ACC	CCT	GGC	720
S	G	A	M	£	Y	K	G	L	P	К	Y	I	L	Р	Ļ	К	T	Р	G	- 88
CGA	GCT	GAT	'GAC	ccc	CAC	TTC	CGA	CCT	ГТG	ccc	ACG	GAA	CCG	GC.ª	\GAG	CGA	.GA.c	SCCC	AGA	780
R	A	D	D	P	Н	F	R	Þ	L	P	Т	E	P	A	Ε	R	E	Р	R	108
AGC'	ГСТ	GAC	SACC	AGC	CGC	ATC	TAC	'ACG'	rgg	GCC	CGA	GGA	AGA	GTG	GTI	TCC	:AG1	'GAC	AGT	840
S	s	E	Т	S	R	I	Y	T	M	A	R	G	R	V	V	s	s	D	S	128
GAC	AGT	GAC	TCG	GAT	СТТ	AGC	TCC	TCC	AGC	СТА	GAG	GAC.	AGA	CTC	CCA	TCC	ACT	'GGG	GTC	900
D	s	D	s	D	L	s	s	S	s	L	E	D	R	L	P	Š	Т	G	V	148
AGG	GAC	CGG	AAA	.GGC	GAC	AAA	ccc	TGG	\ AG	GAG	TCA	GGT	GGC	AGC	GTG	GAG	GCC	CCC.	AGG	960
R	D	R	К	G	D	K	P	M	К	Ε	S	G	G	s	V	Е	А	P	R	168
ATG	GGG'	TTC	ACC	CAA	.CCC	GCG	GGC	CAC	CTC	TTT	GGG'	TTG	CAG	AGC	AGC	CTG	GCC	AGT	GGT	1020
M	G	F	T	Q	P	A	G	Н	L	F	G	L	Q	s	s	L	А	s	G	188
GAG	ACG	GGC	CACA	.GGC	тст	GCT	GAC	CCG	CCA	GGG	GGA	GGG	ACA	GGC	тст	GCT	GAC	CCG	CCA	1080
Ε	T	G	Т	G	S	А	D	P	P	G	G	G	Т	G	S	A	D	P	P	208
GGG	GGA	ccc	CCGC	ccc	GGG	CTG.	ACC	CGA	AGG	GCC	CCG	GTA	AAA	GAC	ACA	.CCT	GGA	.CGA	GCC	1140
G	G	.P	R	₽	G	L	T	R	R	Α	P	V	Κ	D	Т	Р	G	R	A٠	. 228
CCC	GCT	GCI	'GAC	GCA	.GCT	CCA	GCA	.GGC(CCC	TCC.	AGC'	TGC	CTG	GGC	TGA	.GGT	GTC	TGG'	rgc	1200
P	Α	Α	D	A	A	P	A	G	P	s	s	С	L	G	*					243
CTG	GAA	CAG	ACT	TCC	CTG	TGG.	AGG	ATTO	CCT	GCC.	AGA	CCC'	TGC	CCG	GCT	CCT	CCC	TGA	CCG	1260
GTC	CTT	GTO	CCC	TCA	CCA	GAC.	ACC	CTG	rTG	GCC.	ATG	ACT	CAA	CAA	ACC	AGT	GTT	'GGG/	AGC	1320
CGT	CTG	CCI	ccc	CAG	СТС	AGT	GCC	TTTC	CTG	CAC	CCC'	TTC'	ГСТ	CCT	GGG	GAG	CTG	TCT	GCA	1380
TCC	GCC.	ACC	ccc	TCC	AAC	CAC	TGC	CCT	CAG	ccc	CCG	ACC'	'ATT	rtt	АТТ	ACC	CTC	ccc:	rcc	1440
CAC	ACC	CCC	AAT	CTA	.CCT	GGT	GAT	GATI	rtt.	AAG	TTT	GCG	CGT	GTC	тте	GGT	TGG	GCT	GGG	1500
																		TAT		1560
																		СТТ		1620
																		'CCC'		1680
			•					aaac											~ . .	

ACC	GGTCTGTTTAGTTTCTTTGGTTTTTGTATGTTTGTTTTGTTTTTGACACAGTCTCG 18	00
CTT	TTGCCCAGGCTGGGGTGCAGTGGCACGATCGCGGCTCACTGCAACCTCCACCTCC 18	60
CGG	TCAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCC 19	20
ACC	ACCCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGG 19	80
CTG	CTTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGA 20	40
TTA	GGTGTGAGCCACCGCACCCAATCCTATTAGGTTTCTTTGAATCCCCTCATGGCCT 21	00
GCC	GTTTTTGCTCAGCCTGTCTTCAGCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTA 21	60
TGA	TCACTTGCTGAAGAGCAGCGTTCAGGTGCATCCCCAGCCAG	20
TCA	CATGAATTCACTTCTCTCAGGAGGTTTGGCTTGGCATGAAAATACTTCATTCA	30
AGT	GGGCAAATGCTTCTGGAAAACCCTTCCCTGAAGAGAGAGA	40
TCG	GATCACACCCTCCCATCCTTCCTGCCTCCTGCCCCAAACCCCGGGTTCCTGGGTC 240	00
TGG	GGGCCTTCTCCCAAGCTGGGAGCTCCTGGGCCCCCACCATTCACTTTTTGTCCT 246	60
TGC	CTGGCAAACAGTAAAGAAACTCACTTTCCCTGTGGCACGTTATGCTTCAGAATTA 252	20
AAA	ATGAAGATTAAAA 253	3.8
Fig	4	
CL3		
GGC		
	CTCATCTGGAACACCTCGGGTCACCCCCGACAACGGTGGTGGGAGGGA	50
	CTCCTGGGACACCTCGGGTCACCCCGACAACGGTGGTGGGAGGAGAGCGGC CCTCCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA 12	
CTC		20
CTC	CCTCCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA 12 CAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG 18	20
CTC	CCTCCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA 12 CAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG 18	20
CTC ACC TGG	CONTROL OF THE PROPERTY OF THE	20
CTC ACC TGG	CCTCCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA 12 CAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG 18 M A D T I F G S G N D Q 1 TTGCCCCAATGACCGGCAGCTTGCCCTTCGAGCCAAGCTGCAGACGGGCTGGTCC 24	20 30 .2 .0 .2
TGG6	CCTCCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA LAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG M A D T I F G S G N D Q LTGCCCCAATGACCGGCAGCTTGCCCTTCGAGCCAAGCTGCAGACGGGCTGGTCC C P N D R Q L A L R A K L Q T G W S CACCTACCAGACGGAGAAGCAGAGGAGGAAGCAGCACCTCAGCCCGGCGGAGGTG T Y O T F K O D R R K C Q T G W S	20 30 .2 .0 .2
TGGGW W	CACCTACCAGACGAGAAGCAGAGGAGGAAGCACCATCAGCCCGAGGAACGAGGAGGAAGCAGAGGAAGCAGCAGCA	20 30 .2 .0 .2 .0 .2

ATCGGGCGCTGGTGGAGCGGCTGGAGACCATGAGGCGGAATGTGATGGGGAACGGCCTG -420 I G R L V E R L E T M R R N V M G N G L TCCCAGTGTCTGCTCGGGGGAGGTGCTGGGCTTCCTGGGCAGCTCGTCGGTGTTCTGC 480 S O C L L C G E V L G F L G S S S V F C 112 AAAGACTGCAGGAAGAAGTCTGCACCAAATGTGGGATCGAGGCCTCCCCTGGCCAGAAG 540 K D C R K K V C T K C G I E A S P G O K 132 CGGCCCTGTGGCTGTAAGATCTGCAGTGAGCAAAGAGAGGTCTGGAAGAGGTCGGGG 600 RPLW LC KI CSEQ R E V W KR S G 152 GCCTGGTTCTACAAAGGGCTCCCCAAGTATATCTTGCCCCTGAAGACCCCTGGCCGAGCT 660 A W F Y K G L P K Y I L P L K T P G R A 172 GATGACCCCCACTTCCGACCTTTGCCCACGGAACCGGCAGAGCGAGAGCCCAGAAGCTCT 720 D D P H F R P L P T E P A E R E GAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAGTCGTAGGAAGAAGTGCTGATCC 780 E T S R I Y T W A R G R V V G R K C 210 ACGCTGCAGCCTGGATGAGTCCTTGAAAACACCATGCGAAGTGGAAGAAGCCGGAGACGA AAGGCCGCGTGTTGTGTGATCTCATCTATATGAGCAGTGGTTTCCAGTGACAGTGACAGT GACTCGGATCTTAGCTCCTCCAGCCTAGAGGACAGACTCCCATCCACTGGGGTCAGGGAC CGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCCAGGATGGGG 1020 TTCACCCAACCGGGGCCACCTCTTTGGGTTGCAGAGCAGCCTGGCCAGTGGTGAGACG 1080 GGCACAGGCTCTGCTGACCCGCCAGGGGGAGGGACAGGCTCTGCTGACCCGCCAGGGGGA 1140 CCCCGCCCGGGCTGACCCGAAGGGCCCCGGTAAAAGACACACCTGGACGACGCCCCGCT 1200 GCTGACGCAGCTCCAGCAGCCCCTCCAGCTGCCTGGGCTGTCTGGTGCCTGGAA 1260 CAGACTTCCCTGTGGAGGATTCCTGCCAGACCCTGCCCGGCTCCTCCCTGACCGGTCCTT 1320 GTGCCCTCACCAGACACCCTGTTGGCCATGACTCAACAAACCAGTGTTGGGAGCCGTCTG 1380 CCTCCCCAGCTCAGTGCCTTCTCTGCACCCCTTCTCTCTGGGGAGCTGTCTGCATCCGCC 1440 CCCAATCTACCTGGTGATGATTTTAAGTTTGCGCGTGTCTTGGGTTGGGCTGGGGGGTTT 1560

CCCACATGCAGTGTCAGAGGGGCCGCCCGGTGGGGCTATCTCCGTTGCTATATTAATGGC -1620 AAGACTAAATGAAACCTAGGGCACGGCCTCCGAAGCTGCGTGTGGCCCCTTAGAGGTGAG 1680 CATCAGAGCCAGAGCAGTGAGGGGGAGACTCACCCACCCTCTCCCTTCCCTTCAGCTCT 1740 GGGAGGCAGGCGCAGTGCCCCCTCCCATGGGCTGGCCCAGGACCGCGGGTGAAACCTGG 1800 TGCCCAGGCTGGGGTGCACGACGATCGCGGCTCACTGCAACCTCCCGGGCT 1920 CAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCCACCACA 1980 CCCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGGCTGGTC 2040 TTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAG 2100 TTTTTGCTCAGCCTGTCTTCAGCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTATGAACT 2220 ATCACACCCTCCCATCCTTCCTGCCTCCTGCCCAAACCCCGGGTTCCTGGGTCTGGAAG 2460 GGCCTTCTCCCAAGCTGGGAGCTCCTGGGCCCCCACCATTCACTTTTTGTCCTTGCTGC 2520 TGGCAAACAGTAAAGAAACTCACTTTCCCTGTGGCACGTTATGCTTCAGAATTAAAACAA 2580 TGAAGATTAAAA 2592

Fig.5

CL4:

GGCTCCTCATCTGGAACACCTCGGGTCACCCCCGACAACGGTGGTGGGAGGGA	60
CTCCTCCTCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA	120
ACCCCCAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG	180
TGGGTTTGCCCCAATGACCGGCAGCTTGCCCTTCGAGCCAAGCACTGACTG	240
GAACAGGACCAACACAGTCCCTGGTCTTAAAGCACAGGTGGGCAGAGGCTGCAGACGGGC	300
TGGTCCGTGCACACCTACCAGACGGAGAAGCAGGAGGAAGCAGCACCTCAGCCCGGCG	360

GAGG"	rgo	(AG	GCCA	ATC	CTGC	AGG	STCA	ATCO	CAG	٩GGG	GCA(GAG	CGG	CTC	GAC	GTC	CTG	GAG	CAG	420
CAGA	GAF	\TC(GGGC	CGGG	CTGG	TGG	SAGO	CGGC	CTGC	GAGA	ACC.	ATG	AGG	ÇGG	AAT	'GTG	ATG	GGG)	A AC	480
												М	R	R	N	٧	M	G	N	8
GGCC'	TGT	rcc	CAG1	rgr	CTGC	CTCT	rgco	GGG	GAG	GTGC	CTG	GGC'	TTC	CTG	GGC	AGC	TCG	TCG	GTG	540
G ´	L	S	Q	С	L	L	С	G	E	V	L	G	F	L	G	s	S	S	٧	28
TTCT	GC	\AA	GAC1	rgc	AGG <i>F</i>	\AG <i>I</i>	AA.	STC	TGC/	ACC#	AA/	TGT	GGG	OTA	GAG	GCC	TCC	CCT	GGC	600
F	С	K	D	С	R	K	K	V	С	Т	К	С	G	I	E	A	s	P	G	48
CAGA	AGO	CGG	CCC	CTG'	TGG	CTG	rgtz	AAG/	ATC'	rgc <i>i</i>	ŊGT	GAG	CAA	AG <i>P</i>	(GAC	GTC	TGG	AAG	AGG	660
Q	K	R	Р	L	W	L	С	К	I	С	S	Е	Q	R	E	V	M	К	R	68
TCGG	GGG	GCC	TGG	ГТС	TACA	\A,A(GGG	CTC	CCC	AAG7	TAT	ATC	TTG	CCC	СТС	SAA5	ACC	CCT	GGC	720
s	G	Α	W	F	Y	K	G	L	P	K	Y	I	L	P	L	K	Т	P	G	88
CGAG	CTO	GAT	GAC	CCC	CAC	rtc	CGA	CCT'	TTG	CCC	ACG	GAA	.CCG	GCF	AGAG	GCGA	\GA@	CCC.	AGA	780
R	Α	D	D	P	Н	F	R	P	L	P	Т	Ε	P	A	E	R	E	P	R	108
AGCT	CT(GAG	ACC	AGC	CGC	ATC'	TAC.	ACG'	TGG	GCC	CGA	.GGA	AGA	GTO	CGTA	AGGA	\AG <i>P</i>	\AAG	TGC	840
S	S	Ε	T	s	R	I	Y	Т	W	A	R	G	R	V	V	G	R	К	C	128
TGAT	CC.	ACG	CTG	CAG	CCT	GGA'	TGA	GTC	CTT	GAAJ	AAC	ACC	ATG	CGA	\AGT	°GG#	\A GA	AGC	CGG	.900
AGAC	GA.	ĄĄG	GCC	GCG	TGT'	TGT	GTG.	ATC	TCA'	TCT	АТА	TGA	GCA	GTO	GTT	TCC	CAGI	'GAC	AGT	960
GACA	GT	GAC	TCG	GAT	CTT	AGC	TCC	TCC	AGC	CTA	GAG	GAC	AGA	CTO	CCCA	ATCO	CACI	GGG	GTC	1020
AGGG	AC	CGG	AAA	GGC	GAC.	AAA	ccc	TGG	AAG	GAGʻ	TCA	GGT	'GGC	AG(CGT	GGAC	GCC	CCC	AGG	1080
ATGG	GG	TTC	CACC	CAA	'CCC	GCG	GGC	CAC	CTC	T TT (GGG	TTG	CAG	AG	CAG	CCTC	GCC	CAGT	GGT	1140
GAGA	ACG	GGC	CACA	.GGC	TCT	GCT	GAC	CCG	CCA	GGG	GGG	GGG	SACA	.GG(CTC	rgci	'GA	CCCG	CCA	1200
GGGG	GA.	CCC	CCGC	CCC	GGG	CTG	ACC	CGA	AGG	GCC	CCG	GTA	LAAA	GA(CAC	ACC]	rgg <i>i</i>	\CGA	GCC	1260
CCC	CT	GC1	rgac	GCA	GCT	CCA	.GCA	.GGC	CCC	TCC	AGC	TGC	CTG	GG	CTGI	AGG1	GTC	CTGG	TGC	1320
CTGG	3AA	CAC	SACT	TCC	CTG	TGG	AGG	АТТ	CCT	GCC.	AGA	/CCC	TGC	CC	GGC'	rcci	rcco	CTGA	CCG	1380
GTCC	TT	GTC	GCCC	TCA	CCA	GAC	ACC	CTG	TTG	GCC.	ATC	ACT	'CAA	.CA/	AAC(CAGI	rgti	rggg	AGC	1440
CGTC	CTG	CCI	rccc	CAG	CTC	AGT	GCC	TTT	CTG	CAC	CCC	TTC	TCT	CC'	rgg	GGA(GCTC	STCT	GCA	1500
TCCG	GCC	ACC	ccc	TCC	CAAC	CAC	TGC	CCT	'CAG	CCC	CCG	ACC	ATT	TT	rat'	racc	CCT	ccc	TCC	1560

CACACCCCAATCTACCTGGTGATGATTTTAAGTTTGCGCGTGTCTTGGGTTGGGCTGGG	1620
GGGTTTCCCACATGCAGTGTCAGAGGGGCCGCCCGGTGGGGCTATCTCCGTTGCTATATT	1680
PATGGCAAGACTAAATGAAACCTAGGGCACGGCCTCCGAAGCTGCGTGTGGCCCCTTAGA	1740
GGTGAGCATCAGAGCCAGAGCAGTGAGGGGGAGACTCACCCACC	1800
AGCTCTGGGAGGCAGGCGCAGTGCCCCCTCCCATGGGCTGGCCCAGGACCGCGGGTGAA	1860
ACCTGGGTCTGTTTAGTTTCTTTGGTTTTTGTATGTTTGTT	1920
CTTTGTTGCCCAGGCTGGGGTGCAGTGGCACGATCGCGGCTCACTGCAACCŢCCACCTCC	1980
CGGGCTCAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCC	2040
ACCACACCCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGG	2100
CTGGTCTTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGA	2160
TTACAGGTGTGAGCCACCGCACCCAATCCTATTAGGTTTCTTTGAATCCCCTCATGGCCT	2220
GCCTGGTTTTTGCTCAGCCTGTCTTCAGCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTA	2280
TGAACTCACTTGCTGAAGAGCAGCGTTCAGGTGCATCCCCAGCCAG	2340
TCAGCCATGAATTCACTTCTCTCAGGAGGTTTGGCTTGGCATGAAAATACTTCATTCA	2400
AGTATGGGCAAATGCTTCTGGAAAACCCTTCCCTGAAGAGAGAG	2460
TCGGTGATCACACCCTCCCATCCTTCCTGCCTCCTGCCCCAAACCCCGGGTTCCTGGGTC	2520
TGGAAGGGCCTTCTCCAAGCTGGGAGCTCCTGGGCCCCACCATTCACTTTTTGTCCT	2580
TGCTGCTGGCAAACAGTAAAGAAACTCACTTTCCCTGTGGCACGTTATGCTTCAGAATTA	2640
AAACAATGAAGATTAAAA	2658

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Fig.

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180 90 ----TCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG 2 NL1 GAAGÓCOCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG GAAGCCCTCTGITC CCGAGGATCGICCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG GAAGCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG GAAGCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG GAAGCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG GECTCCTCATCTGGA ACACCTCGGGTCACC CCCGACAACGGTGGT GGGAGGGAGAGCGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT GECTECTEATETGGA ACACCTEGGGTCACE CECGACAACGGTGGT GGGAGGGGAGAGCGGC CTECTECTEGT GGGGCETGTETGGGT GGCTCCTCATCTGGA ACACCTCGGGTCACC CCCGACAACGGTGGT GGGAGGGAGAGCGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT 165 166 150 151 60 61135 136 120 121 30 31 106 15 16 105 1 NOC2 ---91 6 LC4 3 LC1 6 LC4 3 LC1

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	1 1 1 1	1	1	S AGTCCC	1	, AGTCCC	345 346	3 CACCTC		3 CACCTC	3 CACCTC	3 CACCTC	3 CACCTC		435 436	G CTGGTG	
	1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	BACCAACA	1 1 1 1 1	ACCAACAC	3,	AGGAAGCA	CAGAGGAGGAAGCAG	CAGAGGAGGAAGCAG	GGAAGCA	GGAAGCA	1GGAAGCA(4	CAGAGAATCGGGCGG	ATCGGGCG(
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	GAACAGO	1 1 1 1 1 1	GAACAGG	0 331	GAGAGGA	CAGAGGA	CAGAGGA	CAGAGGA	; CAGAGGA	; CAGAGGA		0 421		S CAGAGA
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CACAGCAGI	1 1 1	CTTCGAGCCAAGCAC TGACTGCACAGCAGT	. 330	ACGGAGAAG	TACCAGACGGAGAAG	TGGTCCGTGCACACC TACCAGACGGAGAAG	TGGTCGGTGCACCC TACCAGACGGAGAAG CAGAGGAGGAAGCAG	TGGTCCGTGCACACC TACCAGACGGAGAAG CAGAGGAGGAAGCAG	CGGAGAAG		420	GACGTCCTGGAGCAG	TGGAGCAC
	;	1	1	TGACTGO	 	TGACTGC	315 316	TACCAGA	TACCAGA	TACCAGA	TACCAGP	TACCAGA	TACCAG	,	405 406	S GACGIC	GACGICC
	GCCAAGC	sccaagc	3CCAAGC	CTTCGAGCCAAGCAC	:CCAAGC	SCCAAGCAC	31	GTGCACACC	STGCACACC	STGCACACC	STGCACACC	STGCACÁCC	STGCACACC		4 (AGGGCAGAGCGGCTC	SAGCGGCTC
	: CTTCGA	CTTCGA	CTTCGA	CTTCGA	CTTCGAG	CTTCGAG	301	TGGTCC	TGGTCCG	TGGTCCC			TGGTCC		0 391		AGGGCA
	GGCAGCTTGCC CTTCGAGCCAAGC	SAGCTTGCC	ZAGCTTGCC	SAGCTTGCC	AGCTTGCC	AGCTTGCC	300	TGCAGACGGGC TGGTCCGTGCACACC TACCAGACGGAGAAG CAGAGGAGGAAGCAG CACCTCAGCCCGGCG	-TGCAGACGGGC TGGTCCGTGCACACC	TGCAGACGGGC	AGACGGGC	TGCAGACGGGC	AGACGGGC		390	AGGTCATCCAG	STCATCCAG
	GACCGG	GACCGGC	GACCGGC	GACCGGC	GACCGGC	GACCGGC	286	TG(TGC	TGC	AGGCTGC	TGC	AGGCTGC	,	376	CTGCAG	CTGCAG
	NOC2 TGGGTTTGCCCCAAT GACC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC	285	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	\$ \$ } 1	AGCACAGGTGGGCAG AGGCTGCAGACGGGC	 	AGCACAGGTGGGCAG AGGCTGCAGACGGGC		375	NOC2 GAGGTGGAGGCCATC CTGC	NII) GAGGIGGAGGCCAIC CIGCAGGICAICCAG AGGGCAGAGGGGCTC GACGICCIGGAGCAG CAGAGAAICGGGCGG
	2 TGGGTT						271	1 1 1	1 1 1 1 1	i i i i					361	2 GAGGTG	GAGGTG
	NOC:	NL1	3 LC1	LC2	LC3	LC4		NOC2	NLI	CC1	LC2	5 LC3	5 LC4			NOC.	NI.1
	• ~~•		4.1	~.	10	10			(\)1	(7)	~~	(1)	U				

384	450	384	450			359	474	474	540	474	540		449	495	564	630	564	630
CTGGTGGAGCGGCTG	CTGGTGGAGCGGCTG	CAGAGAATCGGGCGG CTGGTGGAGCGGCTG	CAGAGAATCGGGCGG CTGGTGGAGCGGCTG		525 526 540	GTGCTGGGCTTCCTG GGCAGCTCGTCGGTG	GIGCIGGGCTICCIG GGCAGCICGTCGGIG	GTGCTGGGCTTCCTG GGCAGCTCGTCGGTG	GIGCIGGGCTICCIG GGCAGCICGTCGGTG	GTGCTGGGCTTCCTG GGCAGCTCGTCGGTG	GTGCTGGGCTTCCTG GGCAGCTCGTCGGTG	615 616 630	sceecccte recereteraaarc		GGCCCCTG TGGCTGTGTAAGATC	CAGAAGCGGCCCCTG TGGCTGTGTAAGATC	CAGAAGCGGCCCCTG TGGCTGTAAGATC	GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGTAAGATC
:AGAGA	SAGAGA	SAGAGA	SAGAGA		511	GTGCT	3TGCT(3TGCT(3TGCT(TGCTG	TGCTG	601	CAGAAC	1 1 1	ZAGAAG	AGAAG	SAGAAG	CAGAAG
SACGTCCTGGAGCAG (GACGICCIGGAGCAG (GACGTCCTGGAGCAG	GACGTCCTGGAGCAG (496 510	CTGCTCTGCGGGGAG	CTGCTCTGCGGGGAG (CTGCTCTGCGGGGAG (CTGCTCTGCGGGAG (CTGCTCTGCGGGAG G	CTGCTCTGCGGGAG	586 600	GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG		GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG	GAGGCCTCCCCTGGC (GAGGCCTCCCCTGGC (SAGGCCTCCCCTGGC (
GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGCGG	AGGGCAGAGCGGCTC (AGGGCAGAGCGGCTC	AGGCAGAGCGGCTC		481 495	GGCCTGTCCCAGTGT	GGCCTGTCCCAGTGT	GGCCTGTCCCAGTGT	GGCCTGTCCCAGTGT	GGCCTGTCCCAGTGT (GGCCTGTCCCAGTGT (571 585	ACCAAATGTGGGATC	1 1 1 1 1 1	ACCAAATGTGGGATC (ACCAAATGTGGGATC (ACCAAATGTGGGATC (ACCAAATGTGGGATC
CTGCAGGTCATCCAG	GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC	GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC	GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC	,	466 480	AATGTGATGGGGAAC	AATGTGATGGGGAAC	AATGTGATGGGGAAC	AATGTGATGGGGAAC	AATGTGATGGGGAAC	AATGTGATGGGGAAC	556 570	AGGAAGAAAGTCTGC	AGGAAG	AGGAAGAAAGTCTGC	TICTGCAAAGACTGC AGGAAGAAAGTCTGC	AGGAAGAAAGTCTGC	TTCTGCAAAGACTGC AGGAAGAAAGTCTGC ACCAAATGTGGGATC
GAGGTGGAGGCCATC	GAGGTGGAGGCCATC	GAGGTGGAGGCCATC	GAGGTGGAGGCCATC		451 465	NOC2 GAGACCATGAGGCGG AATGTGATGGGGAAC	GAGACCATGAGGCGG AATGTGATGG	GAGACCATGAGGCGG AATGTGATGG	LC2 GAGACCATGAGGCGG	LC3 GAGACCATGAGGCGG AATGTGATGGGGAAC	GAGACCATGAGGCGG AATGTGATGGGGAAC	541 555	NOC2 TTCTGCAAAGACTGC AGGAAGAAAGTCTGC	TTCTGCAAAGACTGC AGGAAG	TTCTGCAAAGACTGC AGGAAGAAAGTCTGC	TTCTGCAAAGACTGC	TTCTGCAAAGACTGC AGGAAGAAAGTCTGC	TTCTGCAAAGACTGC
101	LC2	LC3	LC4			NOC2	N L 1	rc1		 	LC4		NOC2	NL1	rcı	rc2	гсз	LC4
m	ゼ	Ŋ	Q			-	8	m	4	3	9			2	m	4	5	9

	539	567	654	720	654	720		629	657	744	810	744	810		643	671	758
720	CTGAAGACCCCTGGC	CTGAAGACCCCTGGC	CTGAAGACCCCTGGC	CTGAAGACCCCTGGC	CTGAAGACCCCTGGC	ccccreec	810	ACACGTGG	CGCATCTACACGTGG	CGCATCTACACGTGG	CGCATCTACACGTGG	CGCATCTACACGTGG	CGCATCTACACGTGG	006		1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5 706	CTGAAGA	CTGAAGA	CTGAAGA			CTGAAGA	5 796	CGCATCT						5 886	1 1 1	1 1 1 1 1	
705	ATCTTGCCC	AAGTATATCTTGCCC	AAGTATATCTTGCCC	AAGTATATCTTGCCC	ATCTTGCCC	ATCTTGCCC	799	GAGACCAGC	AGCTCTGAGACCAGC	AGCTCTGAGACCAGC	AGCTCTGAGACCAGC	AGCTCTGAGACCAGC	AGCTCTGAGACCAGC	888		1 1 1 1 1	1 1 1 1 1 1 1 1
0 691	AAGTAT		AAGTAT	AAGTAT	AAGTATI	AAGTAT	780 781	, AGCTCT	AGCTCT		AGCTCT	AGCTCT		3 871	1 1 1	1 1 1	1 5 1 1
069	AGGCTCCCC	TACAAAGGGCTCCCC	TACAAAGGGCTCCCC	TACAAAGGGCTCCCC	TACAAAGGGCTCCCC AAGTATATCTTGCCC	AGGGCTCCCC	780	BAGAGCCCAGA	AGAGCCCAGA	AGAGCCCAGA	AGAGCCCAGA	GAGCGAGAGCCCAGA	AGAGCCCAGA	870	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
5 676	TACAA					TACAA	765 766	GAGCG	GAGCG	GAGCG	GAGCG	GAGCG	GAGCG	5 856	1 1	1	1 1 1
661 675	TCGGGGGCCTGGTTC TACAAGGGCTCCCC AAGTATATCTTGCCC	TCGGGGGCCTGGTTC	TCGGGGGCCTGGTTC	TCGGGGGCCTGGTTC	TCGGGGGCCTGGTTC	TCGGGGGCCTGGTTC TACAAAGGGCTCCCC AAGTATATCTTGCCC CTGAAGACCCCTGGC	751 76	CCACGGAACCGGCA	CCCACGGAACCGGCA GAGCGAGAGCCCAGA	CCCACGGAACCGGCA GAGCGAGAGCCCAGA	CCCACGGAACCGGCA GAGCGAGAGCCCAGA	CCCACGGAACCGGCA	CCCACGGAACCGGCA GAGCGAGAGCCCAGA	841 859	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
646 660 6		GTCTGGAAGAGG TC					736 750 7	NOC2 CGAGCTGATGACCCC CACTTCCGACCTTTG CCCACGGAACCGGCA GAGCGAGAGCCCAGA AGCTCTGAGACCAGC CGCATCTACACGTGG					CACTTCCGACCTTTG CC	826 840 8			
631 645		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	721 735	CGAGCTGATGACCCC	CGAGCTGATGAGCCC CAGTTCCGACCTTGG	CGAGCTGATGACCCC CACTTCCGACCTTTG	CGAGCTGATGACCCC CACTTCCGACCTTTG	CGAGCTGATGACCCC CACTTCCGACCTTTG	CGAGCTGATGACCCC	811 825	GCCCGAGGAAGAGT-	GCCCGAGGAAGAGT	GCCCGAGGAAGAGT-
	1 NOC2	2 NL1	3 LC1 '	4 LC2 '	5 LC3 '	6 LC4		1 NOC2	2 NL1 (3 LC1	4 LC2 (5 LC3 (6 LC4 0		1 NOC2	2 NL1 (3 LC1 (

824	834	006		066	689	717	804	870	924	066	. 08	977 8	807	894	096
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GAAAACACCATGCGA AGTGGAAGAAGCCGG	GAAAACACCATGCGA AGTGGAAGAAGCCGG			CTTAGCTCCTCCAGC	CTTAGCTCCTCCAGC	CTTAGCTCCTCCAGC	CTTAGCTCCTCCAGC	CTTAGCTCCTCCAGC	GTITCCAGTGACAGT GACAGTGACTCGGAT CTTAGCTCCTCCAGC	1080	GTGGAGGCCCCCAGG	GTGGAGGCCCCCAGG	GTGGAGGCCCCCAGG	GTGGAGGCCCCCAGG
1	GA AGTO	GA AGTO		975 976	AT CTT					AT CTT	1065 1066	AGC GTG	GC GTG	GC GTG	
! ! ! !	ACCATGC	ACCATGC			GACTCG	GACAGTGACTCGGAT	GACAGTGACTCGGAT	GACAGTGACTCGGAT	GACTCGG	GACTCGG	-	AGGTGGCA	GGTGGCA	GAGTCAGGTGGCAGC	GAGTCAGGTGGCAGC
1	GAAAAC			0 961	r gacagi			GACAGI	GACAGI	GACAGI	0 1051	3 GAGTC	GAGTCA	GAGTCP	GAGTCA
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SAGTCCTT	SAGTCCTI		096	GITTCCAGIGACAGI GACAGIGACTCGGAI	STGACAGI	STGACAGI	stgacagi	STGACAGI	STGACAGI	1050	CCTGGAA	CCTGGAAC	CCTGGAAC	CCTGGAAC
	CCTGGATGAGTCCTT	CCTGGATGAGTCCTT		946		GTTTCCAGTGACAGT	GTTTCCAGTGACAGT	GTTTCCAGTGACAGT	GITTCCAGIGACAGI GACAGIGACTCGGAI	GTTTCCA	1036	GACAAAC	GACAAAC	GACAAACCCTGGAAG	GACAAACCCTGGAAG
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		SCTGCAG		945	Ð - :	9	9	5	GTGATCTCA TCTATATGAGCAGTG	AGCAGTG	1035	AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC	AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC	ACTGGGGTC AGGGACCGGAAAGGC	SAAAGGC
1 1 1	TGATCCACGCTGCAG	TGATCCACGCTGCAG		931	 	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	CTATATG	GTGATCTCA TCTATATGAGCAGTG	1021	4GGGACCG	AGGGACCG	GGGACCG	GGGACCG
1	AAGTGC T	AAGTGC T		930	! ! !	! ! ! !	! ! ! !	! ! ! !	ATCTCA 1	ATCTCA 1	1020	GGGGTC	ACTGGGGTC A	GGGGTC A	GGGGTC A
1	GTAGGAAGAAAGTGC	AGGAAGA		916	1	 	1 1 1 1 5	1 1	TTGTGTG.	TTGTGTG	900	CATCCACT	:ATCCACT	ATCCACT	ATCCACT
AGT	AGTC GT	AGTC GT	•	915 9.	; ; ; ;	1	1	† † †	cece Te	scaca Te	1005 1006	SACTC C	ACTC CC	AACTC CC	SACTC CC
LC2 GCCCGAGGAAGAGT-	GCCCGAGGAAGAGTC	GCCCGAGGAAGAGTC GTAGGAAGAAGTGC			; ; ; ; ;	 	 	 	AGACGAAAGGCCGCG TGTTGT	AGACGAAAGGCCGCG TGTTGT		NOC2 CTAGAGGACAGACTC CCATCCACTGGGGTC	CTAGAGGACAGACTC CCATCC	CTAGAGGACAGACTC CCATCC	CTAGAGGACAGACIC CCATCCACTGGGGTC AGGGACCGGAAAGGC
, GCC(901	2	1	i t	í ! !			991	2 CTA			
4 LC2	5 LC3	6 LC4			1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC	2 NL1	3 LC1	4 LC2

1014	1080		847	897	984	1050	1104	1170		929	786	1074	1140	1194	1260
GAGGCCCCCAGG	GAGGCCCCCAGG	56 1170	1	GCTGACCCGCCA	GCTGACCCGCCA	AGCCIGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCCGCCA	GCTGACCCGCCA	GCTGACCCGCCA	1246 1260	ACCTGGACGAGCC	CCTGGACGAGCC	CCTGGACGAGCC	CCTGGACGAGCC	CCTGGACGAGCC	CCTGGACGAGCC
GGCAGC GTG	GGCAGC GTG	1155 115		ACAGGC TCT	ACAGGC TCT	RACAGGC TCT	ACAGGC TCT	ACAGGC TCT	1245 12	AAAAGAC ACI	AAAGAC ACA	AAAGAC ACA	AAAGAC ACP	AAAGAC ACA	AAAGAC ACA
3 GAGTCAGG1	3 GAGTCAGGT	1140 1141	T GAGACGGG	r gagacggg	r gagacggg	r gagacggg	r gagacggg	r gagacegec	1230 1231	G GCCCCGGT	3 GCCCCGGTA	3 GCCCCGGTA	3 ecccceen	3 GCCCCGGTA	3 GCCCCGGTA
AACCCTGGAAC	AACCCTGGAAC		TGGCCAGTGG	TGGCCAGTGG1	TGGCCAGTGG	TGGCCAGTGG	TGGCCAGTGG1	TGGCCAGTGG		TGACCCGAAG	TGACCCGAAGO	TGACCCGAAG	TGACCCGAAG	TGACCCGAAG	TGACCCGAAG
GACA	GACA	1126	AGCC	AGCC	AGCC	AGCC	AGCC	AGCC	1216	9999	2999	ეეე	ენენ	2999	3999
SGGACCGGAAAGGC	SGGACCGGAAAAGGC	1111 1125	TCTGGGTGCCAGAGC AGCCTGGCCAGTGGT GAGACGGG-	ITGGGTTGCAGAGC	TITGGGITGCAGAGC AGCCIGGCCAGIGGT GAGACGGGCACAGGC ICTGCTGACCCGCCA	TTTGGGTTGCAGAGC	TITGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCCGCCA	rtgggttgcagagc	1201 1215	GGGGACCCCGCCCC	3GGGACCCCGCCCC	3GGGACCCCGCCC	TCTGCTGACCCGCCA GGGGGACCCCGCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	36GGACCCCCCCCC	3GGGACCCCCGC
CCACTGGGGTC AC	CCACTGGGGTC AC	1110	CGGGCCACCTC T	CGGGCCACCTC T			GGGCCACCTC T	CGGGCCACCTC T	1200	CTGACCGCCA G	CTGACCCGCCA GO	CTGACCCGCCA GO	CTGACCCGCCA GO	CTGACCCGCCA GO	OTGACCCGCCA G
CCAT	CCAT	1096	೧೮೦೦	CCCG	CCCG	೦೦೦೦	೦೦೦೦ಆ	CCCG	1186	TCTG	TCTG	TCTG	TCTG	TCTG	TCTG
CTAGAGGACACT CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG	CTAGAGGACAGACTC CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG	1081 1095	NOC2 ATGGGGTTCACCCAC CCGCCGGGCCACCTC	ATGGGGTTCACCCAA CCCGCGGGCCACCTC TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCGGCA	ATGGGGTTCACCCAA CCCGCGGGCCACCTC	ATGGGGTTCACCCAA CCCGCGGGCCACCTC	ATGGGGTTCACCCAA CCCGCGGGCCACCTC	ATEGEGITCACCCAA CCCGCGGGCCACCTC TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCGGCCA	1171 1185	NOC2GACAGGC TCTGCTGACCCGCCA GGGGACCCCGCCC GGGCTGACCCGAAGG GCCCCGGTAAAGAC ACACCTGGACGAGC	GGGGGAGGGACAGGC TCTGCTGACCCGCCA GGGGACCCCGCCC GGGCTGACCCGAAGG GCCCGGTAAAGAC ACACCTGGACGAGCC	GGGGGAGGGACAGGC TCTGCTGACCCGCCA GGGGACCCCGCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	GGGGAGGGACAGGC	GGGGGAGGGACAGGC TCTGCTGACCCGCCA GGGGACCCCGCCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	6 1.64 - GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
rog	LC4		NOC2	NL1	127	LC2	rc3	LC4		NOC2	NL1	LC1	rc5	LC3	1,04
5	9		-	2	3	4	Ŋ	9		-	2	$_{\odot}$	4	S	4

	1019	1077	1164	1230	1284	1350		1109	1167	1254	1320	1374	1440	
1350							1440							, ,
1336	CIGGAACAGACTICC CIGIGGAGGATICCI	CTGTGGAGGATTCCT	CTGTGGAGG.	CTGTGGAGGATTCCT	CTGTGGAGG	CTGTGGAGG	1426	ACCAGTGTT	ACCAGTGTT	GCCATGACTCAACAA ACCAGTGTTGGGAGG	ACCAGTGTT	ACCAGTGTT	ACCAGTGTT	, ,
1335	AGACTTCC	CTGGAACAGACTTCC	AGACTTCC (AGACTTCC	AGACTTCC (AGACTTCC	1425	CTCAACAA	CTCAACAA	CTCAACAA	CTCAACAA	CTCAACAA	CTCAACAA	•
1320 1321	CTGGAAC	: CTGGAACA	CTGGAACA	CTGGAACA	CTGGAAC	CTGGAACA	1410 1411	s GCCATGA	3 GCCATGA	s GCCATGA	3 GCCATGA	3 GCCATGA	3 GCCATGA	
132	retctegte	crcreerec	rercreered	rercreerec	ercreerec	rercreerec	141	CACCCTGTT	SACCCTGTT	CACCCTGTTC	SACCCTGTT	CACCCTGTT	CACCCTGTT	
1306	TGAGG	TGAGGT	TGAGG1	TGAGG1	TGAGGT	TGAGGT	1396	CCAGA	CCAGAC	CCAGAC	CCAGAG	CCAGAG	CCAGA	
1291 1305 1306	CCAGCTGCCTGGGC	ccagcTgccTgggc '	CCAGCTGCCTGGGC '	ccagcTgccTgggc	CCAGCTGCCTGGGC	CCAGCTGCCTGGGC	1381 1395	STCCTTGTGCCCTCA	rccreaccerca	TCCTTGTGCCCTCA	COTGACOG GICCTIGIGCOCTOA COAGACACCCIGIIG GCCAIGACTCAACAA ACCAGIGIIGGGAGC	CCTGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	CCTGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	
1290	AGCAGGCCCC I	AGCAGGCCCC T	AGCAGGCCCC T	AGCAGGCCCC T	AGCAGGCCCC T	AGCAGGCCCC T	1380	TCCCTGACCG 0	TCCCTGACCG G	TCCCTGACCG G	TCCCTGACCG G	TCCCTGACCG G	TCCCTGACCG G	
1275 1276	GCTCC	GCTCC	GCTCC	GCTCC	GCTCC	GCTCC	1366	GCTCC	GCTCC	GCTCC	GCTCC	GCTCC	GCTCC	
1261 1275	1 NOC2 CCGGCTGCTGAGGCA GCTCCAGGAGGCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC	CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC	COCGOTGOTGACGOA GOTOCAGOAGGOCOCO TOCAGOTGCOTGGGG TGAGGTGTOTGGTGC CTGGAACAGACTTCO CTGTGGAGGATTCOT	CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC	S LC3 CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	1351 1365	NOC2 GCCAGACCCTGCCCG GCTCCTCCTGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	GCCAGACCCTGCCCG GCTCCTGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	GCCAGACCCTGCCCG GCTCCTGCCTGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG	GCCAGACCCTGCCCG GCTCCTC	GCCAGACCCTGCCCG GCTCCTC	GCCAGACCCTGCCCG GCTCCTC	
-	1 NOC2	2 NL1	3. LC1		5 LC3	6 LC4		1 NOC2	2 NL1		4 LC2	5 LC3	6 LC4	
	•		٠,	•	-,	_			. •		-			

1257 1 NOC2 CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCCT GGGGAGCTGTCTGCA TCCGCCACCCCCTCAG AACCACTGCCCTCAG 1199 1344 1530 3 LC1 CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCCT GGGGAGCTGTCTGCA TCGGCCACCCCCTCC AACCACTGCCTCAG 2 NL1 CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCTCAG 1515 1516 1500 1501 1485 1486 1470 1471 1455 1456

22	1.22 GETCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCTCAG	CTCAGTGCCTTTCTG	CACCCCTTCTCTCCT (gGGGAGCTGTCTGCA 1	CCGCCACCCCCTCC P	ACCACTGCCCTCAG	O T # T
5 5	CGTCTGCCTCCCCAG	CGICTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCCT	CACCCTTCTCTCT	GGGGAGCTGTCTGCA TCCGCCACCCCTCC AACCACTGCCCTCAG	CCGCCACCCCCTCC P	ACCACTGCCCTCAG	1464
LC4	CGTCTGCCTCCCCAG	CGTCTGCCTCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCTCAG	CACCCTTCTCTCT	GGGGAGCTGTCTGCA 1	receceAcececTec A	ACCACTGCCCTCAG	1530
-	1545	. 1546 1560	1561 1575	1576 1590	1591 1605	1606 1620	
NOC2	CCCCGACCTTATTT	NOC2 CCCCCGACCTTAITT ATTACCCTCCCCTCC CACACCCCCAATCTA CCTGGTGATGATTTT AAGTTTGCGCGTGTC TTGGGTTGGG	CACACCCCCAATCTA	CCTGGTGATGATTTT	AAGTTTGCGCGTGTC	TTGGGTTGGGCTGGG	1289
	CCCCGACCTTATTT	CCCCCGACCTTATTT ATTACCCTCCCTCC CACACCCCCAATCTA CCTGGTGATGATTT AAGTTTGCGCGTGTC	CACACCCCCAATCTA	ccreercarcartrr /	AGTTTGCGCGTGTC	TTGGGTTGGGCTGGG	1347
1.C1		CCCCCGACCTTATTT ATTACCCTCCCTCC	CACACCCCCAATCTA	CACACCCCCAATCTA CCTGGTGATTTT AAGTTTGCGCGTGTC TTGGGTTGGG	AAGTTTGCGCGTGTC	rrgggttgggctggg	1434
	CCCCGGACCTTATTT	CCCCCGACCTTATTT ATTACCCTCCCTCC	CACACCCCCAATCTA	CACACCCCCAATCTA CCTGGTGATGATTTT AAGTTTGCGCGTGTC TTGGGTTGGG	AAGTTTGCGCGTGTC '	TTGGGTTGGGCTGGG	1500
3 . 0	TTTATTOORDOOD	CCCCCCCCTTATT ATTACCCTCCCTCC	CACACCCCCAATCTA	CACACCCCCAATCTA CCTGGTGATGATTTT AAGTTTGCGCGTGTC TTGGGTTGGG	AGTTTGCGCGTGTC /	ITGGGTTGGGCTGGG	1554
		CCCCCGACTTATT ATTACCCTCC CACACCCCCAATCTA CCTGGTGATGTTTT AAGTTTGCGCGTGTC TTGGGTTGGG	CACACCCCCAATCTA	CCTGGTGATGATTT	AAGTTTGCGCGTGTC '	TTGGGTTGGGCTGGG	1620
7		1635 1636 1650	1651 1665	1666 1680	1681 1695	1696 1710	
		טיים לים לים לים לים לים לים לים לים לים	GCCCGGTGGGGCTAT	CTCCGTTGCTATATT	AATGGCAAGACTAAA	TGAAACCTAGGGCAC	1379
NOC		GGGITICCCACAIGC AGIGICACACGGGGGCC	GCCCGGTGGGGCTAT	CTCCGTTGCTATATT	AATGGCAAGACTAAA	TGAAACCTAGGGCAC	1437
] [z		GGGILICCCACAIGC AGTGTCAGAGGGGCC GCCCGGTGGGGGCTAT CTCCGTTGCTATATT	GCCCGGTGGGGCTAT	CTCCGTTGCTATATT	AATGGCAAGACTAAA TGAAACCTAGGGCAC	TGAAACCTAGGGCAC	1524
, C		GGGTTTCCCACATGC AGTGTCAGAGGGCC GCCCGGTGGGGCTAT	GCCCGGTGGGGCTAT	CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	AATGGCAAGACTAAA	TGAAACCTAGGGCAC	1590
		GEGITTOCOACATGC AGTGTCAGAGGGGCC GCCCGGTGGGGCTAT	GCCCGGTGGGGCTAT		CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	TGAAACCTAGGGCAC	1644
7 C		GGGTTTCCCACATGC AGTGTCAGAGGGGCC GCCCGGTGGGGCTAT	GCCCGGTGGGGCTAT	CTCCGTTGCTATATT	CICCGIIGCIAIAIT AAIGGCAAGACIAAA IGAAACCIAGGGCAC	TGAAACCTAGGGCAC	1710

	1469	1527	1614	1680	1734	1800		1559	1617	1704	1770	1824	1890		1649	1707
1800	CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC	STCCCTTC	GAGACTCACCCACCC TCTCCCTCTCCCTTC	GAGACTCACCCACCC TCTCCCTCTCCCTTC	TCTCCCTCTCCTTC	GAGACTCACCCACCC TCTCCCTCTCCCTTC	1890	GTTTCTTTGGTTTTT	GTTTCTTTGGTTTTT	GTTTCTTTGGTTTTT	GTTTCTTTGGTTTTT	rggtttt	rggtttt	1980	CCACCTCC	CACCTCC
1786	TCTCCCT	TCTCCCT	TCTCCCT	TCTCCCT	TCTCCCT	TCTCCCT	1876	GTTTCTT			GTTTCTT'	GTTTCTT1	GTTTCTT	1966	GCAACCT	GCAACCTO
1785	ACCCACCC	וככבאכככ	יכככשכככ	CCCACCC	GAGACTCACCCACCC	וכככשכככ	1875	rctgttta	CTGTTTA	CTGTTTA	CTGTTTA	CTGTTTA	CTGTTTA	1965	GCTCACT	GCTCACT
1770 1771	GAGACTC/	GAGACTCA	GAGACTCA	GAGACTCA		GAGACTCP	1861	ACCTGGG	ACCTGGGT	ACCTGGGT	ACCTGGGT	ACCTGGGT	ACCTGGGT	1950 1951	CGATCGCC	CGATCGCG
1770	GTGAGGGG	FTGAGGGG	CAGAGCAGTGAGGGG	CAGAGCAGTGAGGGG	CAGAGCAGTGAGGGG	CAGAGCAGTGAGGGG	1860	CGGGTGAA	AGGACCGCGGGTGAA ACCTGGGTCTGTTA	AGGACCGCGGGTGAA ACCTGGGTCTGTTTA	CGGGTGAA	GGGTGAA	GGGTGAA	1950	SAGTGGCA	AGTGGCA
17,56	CAGAGCA	CAGAGCAC	CAGAGCAC	CAGAGCAC	CAGAGCA(CAGAGCA(1846	AGGACCG	AGGACCG(AGGACCG	AGGACCG	AGGACCGC	AGGACCGC	1935 1936	TGGGGTG	TGGGGTGC
1755	CATCAGAGC	GGTGAGCATCAGAGC CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC	ATCAGÁGC	ATCAGAGC	ATCAGAGC	ATCAGAGC	1845	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA	CCCATGGGCTGGCCC	CCCATGGGCTGGCCC	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGFCTGTTTA GTTTCTTTGGTTTTT	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTT	193	CITTGTTGCCCAGGC TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC	GCCCAGGC
1740 1741	, GGTGAG	GGTGAGC	GGTGAGC	GGTGAGO	GGTGAGC	GGTGAGO	1831				CCCATG	CCCATGG	CCCATGG	1921	CTTTGTT	CTTTGTT
174(NOC2 GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA GGTGAGCATCAGAGC	GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA	GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA GGTGAGCATCAGÁGC	GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA GGTGAGCATCAGAGC	GECCICCGAAGCTGC GTGÍGGCCCCTTAGA GGTGAGCATCAGAGC	LC4 GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA GGTGAGCATCAGAGC	1830	NOC2 AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	GTGCCCCCCT	GTGCCCCCCT	AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	1920	CACAGTCTCG	GTATGITTGITTGIT TITGACACAGICTCG CITTGITGCCCAGGC IGGGGTGCAGIGGCA CGAICGCGGCTCACT GCAACCICCACCICC
5 1726	: GTGTGG	GTGTGG	GTGTGG	GTGTGG	GTGÍGG	GTGTGG	5 1816	GCGCAG	GCGCAG	GCGCAG	GCGCAG'	GCGCAG1	GCGCAGI	1906	TTTGA	TTTGACE
1725	GAAGCTGC	GAAGCTGC	GAAGCTGC	GAAGCTGC	GAAGCTGC	GAAGCTGC	1815	GGAGGCAG	AGCTCTGGGAGGCAG GCGCA	AGCTCTGGGAGGCAG GCGCA	GGAGGCAG	GGAGGCAG	GGAGGCAG	1905	GTATGTTTGTTTGTT	тстттстт
1711	GGCCTCC		GGCCTCC			GGCCTCC	1801	AGCTCTG					AGCTCT6(1891		GTATGTT'
-	1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NL1

CCACCTCC 1914 CCACCTCC 1980	0	0	2070	2070		ATTTTAG 1739	ATTTTAG 1797	ATTTTAG 1884	ATTTTAG 1950	ATTTTAG 2004	ATTTTAG 2070	2160	FIGCIGGGA 1829	CCCAAAGTGCTGGGA 1887	TGCTGGGA 1974	TGCTGGGA 2040
GCAACCT GCAACCT GCAACCT	GCAACCT GCAACCT 5 2056	GCAACCT 5 2056	5 2056	5 2056		\ TTTTG1	. TTTTTGT	TTTTTGT	. TTTTTGI	TTTTGI	TTTTGI	5 2146	r cccaaa	CCCAAA	CCCAAAG	CCCAAAG
TGGGGTGCAGTGGCG GGTCGCGGCTCACT GCAACCTCCACCTCC TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC	ATCGCGGCTCACT ATCGCGGCTCACT	ATCGCGGCTCACȚ			2041 2055	ACCACACCCAGITAA ITITIGIAIIITAG	CACACCCAGTTAA	CACACCCAGITAA	CACACCCAGTTAA	CACACCCAGTTAA	CACACCCAGTTAA	2131 2145	scccccrcccc	CGCCCGCCTCGGCCT	ccccccTcGGccT	CCCGCCTCGGCCT
SGGTGCAGTGGCA CG	SO ACERTACE		TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC	,	2026 2040 2	ACAGATGCCCGCC AC	ACAGATGCCCGCC AC	ACAGATGCCCGCC AC	ACAGATGCCCGCC AC	ACAGATGCCCGCC AC	ACAGATGCCCGCC AC	2116 2130 2	GTCTCAAGTGATC CC	GTCTCAAGTGATC CG	GTCTCAAGTGATC CG	GTCTCAAGTGATC CG
CTTTGTTGCCCAGGC TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC		CTTTGTTGCCCAGGC TG	CTTTGTTGCCCAGGC TG		2011 2025 20	CCTGAGTAGGTGGGA TTACAGATGCCCGCC	CGGGCTCAAGCGAIT CICTCACCTCAGCCT CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTGTATTTTAG	CGGGCTCAAGCGATT CTCTCACCTCAGCCT CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTAG	CGGGCTCAAGCGATT CTCTCACCTCAGCCT CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTGTATTTTAG	CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTAG	CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTAG	2101 2115 2	TGGTCTTGAACTCC TG	AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC	AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	TOCATGITEGOCAGG CIGGICTIGAACICC IGGICICAAGIGAIC CGCCCGCCICGGCCI CCCAAAGIGCA
				,	1996 2010	CTCTCACCTCAGCCT C	STCTCACCTCAGCCT C	STCTCACCTCAGCCT C	STCTCACCTCAGCCT C			2086 2100	TCCATGTTGGCCAGG (rccatgttggccage c	rccatgttggccagg c	PCCATGTTGGCCAGG C
GTATGTTTGTT TTTGACAGTCTCG		GTATGTTTGTT TTTGACACAGTCTCG	GTATGTTTGTT TTTGACACAGTCTCG		1981 1995	NOC2 CGGGCTCAAGCGATT CTCTCACCTCAGCCT	CGGGCTCAAGCGATT	CGGGCTCAAGCGATT (CGGGCTCAAGCGATT	CGGGCTCAAGCGATT CTCTCACCTCAGCCT	CGGGCTCAAGCGATT CTCTCACCTCAGCCT	2071 2085	NOC2 AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	AAGAGATGGGGTTTC '	AAGAGATGGGGTTTC '	,),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	4 LC2	5 LC3	6 LC4			1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	رن ا

2094	2160		1919	1977	2064	2130	2184	2250		2009	2067	2154	2220	2274	2340
CCAAAGTGCTGGGA	CCAAAGTGCTGGGA	2236 2250	AGCCTGTCTTCAGCT	GCCTGTCTTCAGCT	GCCTGTCTTCAGCT	GCCTGTCTTCAGCT	GCCTGTCTTCAGCT	GCCTGTCTTCAGCT	2326 2340	segcAcGTeGCTCCC	GGCACGTGGCTCCC	GGCACGTGGCTCCC	GGCACGTGGCTCCC	3GGCACGTGGCTCCC	GGCACGTGGCTCCC
LG3 AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	2221 2235	AITAGGITICITIGA AICCCCICAIGGCCI GCCIGGITITIGCIC AGCCIGICIICAGCI	ATTAGGITICITIGA AICCCCTCAIGGCCI GCCIGGITITIGCIC AGCCIGICIICAGCI	ATTAGGITICITIGA AICCCCTCAIGGCCI GCCIGGITITIGCIC AGCCIGICTICAGCI	ATTAGGITTCITTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	ATTAGGITTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	2310 2311 2325	NOC2 TGAGGAGCTGGGAAG CTCTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	GTGCATCCCCAGCCA GGGCACGTGGCTCCC	TGAGGAGCTGGGAAG CTCTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	TGAACTCACTTGCTG AAGAGCATCCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	CTCTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	TGAGGAGCTGGGAAG CICTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC
TGGTCTCAAGTGATC	rggrcrcaagtgarc	2206 2220	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	2296	AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG
CTGGTCTTGAACTCC	CTGGTCTTGAACTCC	2191 2205		ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA ATCCCCTCATGGCCT	2281 2295	TGAACTCACTTGCTG	TGAACTCACTTGCTG AAGAGCAGCGTTCAG	TGAACTCACTTGCTG	TGAACTCACTTGCTG	TGAACTCACTTGCTG	TGAACTCACTTGCTG
TCCATGTTGGCCAGG	TCCATGTTGGCCAGG	2176 2190	ACCGCACCCAATCCT	ACCGCACCCAATCCT	TTACAGGTGTGAGCC ACCGCACCCAATCCT				2266 2280	CTCTGGTGGATGCTA	CTCTGGTGGATGCTA	CTCTGGTGGATGCTA	CTCTGGTGGATGCTA	CTCTGGTGGATGCTA	CTCTGGTGGATGCTA
AAGAGATGGGGTTTC	AAGAGATGGGGTTTC	2161 2175	NOC2 TTACAGGTGTGAGCC ACCGCA	TTACAGGIGTGAGCC ACCGCACCCAATCCT	TTACAGGTGTGAGCC	TTACAGGTGTGAGCC ACCGCACCCAATCCT	TTACAGGTGTGAGCC ACCGCACCCAATCCT	TTACAGGTGTGAGCC ACCGCACCCAATCCT	2251 2265	TGAGGAGCTGGGAAG	TGAGGAGCTGGGAAG CTCTGGTGGATGCTA	TGAGGAGCTGGGAAG	TGAGGAGCTGGGAAG	TGAGGAGCTGGGAAG	TGAGGAGCTGGGAAG
5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4

GAAAACCCTT 209 GAAAACCCTT 215					BAAACCCTT 236	SAAACCCTT 243	2520	Trccreesro 218	rrccregerc 224	rrccreeerc 233	rrccreegre 240	ITCCTGGGTC 245	rrccreeerc 252	2610	GAAACTCACT 227	GAAACTCACT 233
TTCTG		TTCTG	TTCTG	TTCTG	TTCTG	TTCTG	5 2506	55500	CCGGG	55555	55500	೦೦೦	55520	5 2596	GTAA?	GTAAA
	atgggcaaaigc	ATGGGCAAATGC	ATGGGCAAATGC	AGTATGGGCAAATGC TTCTGGAAAACCCTT	ATGGGCAAATGC	ATGGGCAAATGC	91 2505	CTGCCCAAACC	CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	CICCTGCCCAAACC CCGGGIICCIGGGIC	CICCIGCCCCAAACC CCGGGIICCIGGGIC	CTGCCCCAAACC	.81 2595	TGCTGCTGGCAAACA GTAAAGAAACTCACT	TGCTGGCAAACA
F) F 7 E T E F 7 E F	TCATTCAG AGI	TCATTCAG AGT.	TCATTCAG AGT.	TCATTCAG AGT.	CATTCAG AGT	rcattcag AGT	2490 2491	CTTCCTGC CTC	TCCCATCCTTCCTGC CTC	CTTCCTGC CTC	CTTCCTGC CTO	CTTCCTGC CTC	CTICCIGC CIC	2580 2581	TTTGTCCT TGC	TTTGTCCT TGC
	AAATACT	AAATACT	AAATACT	AAATACT	AAATACT	AAATACT	5 2476	TCCCATC	TCCCATC	TCCCATC	TCCCATC	TCCCATC	TCCCATC	5 2566	TTCACTT	TTCACTT
	GGCTTGGCATGA	TITGGCTIGGCATGA AAATACTICATICAG AGTATGGGCAAAIGC ITCIGGAAAACCCIT	TITGGCTIGGCAIGA AAAIACTICATICAG AGTAIGGGCAAAIGC ITCIGGAAAACCCII	TITGGCTTGGCATGA AAATACTTCATTCAG	SGCTTGGCATGA	GGCTTGGCATGA	51 2475	TCGGTGATCACACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	TCGGTGATCACACCC	TCGGTGATCACACCC	GTGATCACACCC	GIGIGIGIGI ICGGIGAICACACCC ICCCAICCIICCIGC	GTGTGTGTGTG TCGGTGATCACACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	51 2565	GGGCCCCCACCA	CCTGGGCCCCCACCA TTCACTTTTTGTCCT TGCTGGCAAACA GTAAAGAAACTCACT
	rcaggagg TT1	CAGGAGG TTT	CAGGAGG TTT	CAGGAGG TIT	CAGGAGG TTT	CAGGAGG TTT	2460 2461	GTGTGTG TCG		GTGTGTG TCG	GTGTGTG TCG	GTGTGTG TCG	GTGTGTG TCG	2550 2551	regeaget cet	GGGAGCT CCT
	CTTCTCT	CTTCTCTT	CTTCTCTT	CTTCTCTT	CTTCTCTT	CTTCTCTT	2446	ACGTGTGT	ACGTGTGT	ACGTGTGT	ACGTGTGT	ACGTGTGT	ACGTGTGT	5 2536	TCCAAGC	TCCAAGCT
	TCAGCCATGAATTCA CTTCTTCAGGAGG TTTGGCTTGGC	TCAGCCATGAATTCA CTTCTCTTCAGGAGG	TCAGCCATGAATTCA CTTCTCTTCAGGAGG	TCAGCCATGAATTCA CTTCTCTTCAGGAGG	TCAGCCATGAATICA CTTCTCTTCAGGAGG TTTGGCTTGGCATGA AAATACTTCATTCAG AGTATGGGCAAATGC TTCTGGAAAACCCTT	TCAGCCATGAATTCA CTTCTCTTCAGGAGG TTTGGCTTGGC	2431 2445	NOC2 CCCTGAAGAGAGA ACGTGTGTGTGTG	CCCTGAAGAGAGA ACGTGTGTGTGTG	CCCTGAAGAGAGA ACGTGTGTGTGTGT	CCCIGAAGAGAGA ACGIGIGIGIGIGI ICGGIGAICACACCC ICCCAICCIICCIGC	CCCTGAAGAGAGA ACGT	CCCTGAAGAGAGA ACGT	2521 2535	NOC2 TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTGTCCT	TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT
	NOC2	NL1 T	3 LC1 T	4 LC2 T	LC3 T	5 LC4 T	(7	NOC2 (NL1 O	3 LC1 0	4 LC2 C				NOC2	2 NL1 7
		\sim	(7)	4	10	LO.			\sim	~	₹*	ເນ	ω			6

06	LVERLETMRRNVMGN	RAERLDVLEQQRIGR LVERLETMRRNVMGN	HLSPAEVEAILQVIQ F	O HLSF	WSVHTYQTEKQRRK	PNDRQLALRAKLQTG WSVHTYQTEKQRRKQ	MADTI FGSGNDQWVC E	3 LC1
06	LVERLETMRRNVMGN	RAERLDVLEQQRIGR	HLSPAEVEAILQVIQ F	O HLSE	ALRAKLQTG WSVHTYQTEKQRRKQ	PNDRQLALRAKLQTG	MADTIFGSGNDQWVC E	2 NL1
06	RAERLDVLEQQRIGR LVERLETMRRNVMGN	RAERLDVLEQQRIGR	HLSPAEVEAILQVIQ		ALRAKLOTG WSVHTYQTEKORRKO	PNDRQLALRAKLQTG	NOC2 MADTIFGSGNDQWVC PNDRQL	1 NOC2
	3 76 90	61 75	09	45 46	31	16 30	1	
								Fig. 7
			2658	A AAA	AAACAATGAAGATTA	ATGCTTCAGAATTA)	TTCCCTGTGGCACGT TATGCTTCAGAATTA	6 LC4
			2592	A AAA	AAACAATGAAGATT/	ATGCTTCAGAATTA	TTCCCTGTGGCACGT TATGCTTCAGAATTA AAACAATGAAGATTA	5 LC3
			2538	A AAA	AAACAATGAAGATTA AAA	ATGCTTCAGAATTA	TTCCCTGTGGCACGT TATGCTTCAGAATTA	4 LC2
			2472	A AAA	AAACAATGAAGATTA AAA	ATGCTTCAGAATTA	TICCCTGIGGCACGI TAIGCTICAGAATTA	3 LC1
			2385	A AAA	aaacaatgaagatt	ATGCTTCAGAATTA	TICCCTGIGGCACGI TAIGCTICAGAAITA AAACAATGAAGATIA AAA	2 NL1
			2327	A AAA	AAACAATGAAGATT.	TATGCTTCAGAATTA AAACAATGAAGATTA	NOC2 TICCCTGTGGCACGT I	1 NOC2
				5 2656	2641 2655	2626 2640	2611 2625	
2610	GTAAAGAACTCACT	CCTGGGCCCCCACCA TTCACTTTTGTCCT TGCTGCCAAACA GTAAAGAAACTCACT	CTTTTGTCCT T	A TTCA	ccreecccccacc	CCAAGCTGGGAGCT	TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT	6 LC4
2544	GTAAAGAAACTCACT	GCTGCTGGCAAACA	CTTTTTGTCCT T	A TTCA	CCTGGGCCCCCCACC	CCAAGCTGGGAGCT	LC3 TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT CCTGGGCCCCCCACCA TTCACTTTTGTCCT TGCTGCTAGCAACA GTAAAGAAACTCACT	5 LC3
2490	GTAAAGAAACTCACT	GCTGCTGGCAAACA	CTTTTTGTCCT T	A TTCA	ccresecccccaco	CCAAGCTGGGAGCT	TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTTGTCCT TGCTGCTGGCAAACA GTAAAGAAACTCACT	4 LC2
2424	GTAAAGAAACTCACT	GCTGCTGGCAAACA	CTTTTTGTCCT T	A TTCA	CCTGGGCCCCCACC	CCAAGCTGGGAGCT	TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTTGTCCT TGCTGCTAGCAAACA GTAAAGAAACTCACT	3 LC1

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ω	06	ω		0	180	151	180	86	180	8	0	270	241	270	210	128
MRRNVMGN	LVERLETMRRNVMGN	MRRNVMGN		36 180	LKTPGRADDPHFRPL	LKTPGRADEPQFRPW	LKTPGRADDPHFRPL	LKTPGRADDPHFRPL	LKTPGRADDPHERPL	LKTPGRADDPHFRPL	256 270	PPGHLSGCQSSLASG	PAGHLFGLQSSLASG	PAGHLFGLQSSLASG	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	RAERLDVLEQQRIGR LVE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		165 16	SGAWFYKGLPKYILP LK	SGAWFYKGLPKYILP LKT	SGAWFYKGLPKYILP LK1	SGAWFYKGLPKYILP LKI	SGAWFYKGLPKYILP LKI	SGAWFYKGLPKYILP LK1	255 28	ESGGSVEAPRMGFTH PP	ESGGSVEAPRMGFTQ PA(ESGGSVEAPRMGFTQ PAC) 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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	HLSPAEVEAILQVIQ			136 150	WLCKICSEQREVWKR	WKR	WLCKICSEQREVWKR	WLCKICSEQREVWKR	WLCKICSEQREVWKR	ILCKICSEQREVWKR	226 240	PSTGVRDRKGDKPWK	PSTGVRDRKGDKPWK	PSTGVRDRKGDKPWK	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	WSVHTYQTEKQRRKQ F			121 135	TKCGIEASPGQKRPL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TKCGIEASPGQKRPL W	TKCGIEASPGQKRPL W	TKCGIEASPGQKRPL W	TKCGIEASPGQKRPL WLCKICSEQREVWKR	211 225	DSDSDLSSSSLEDRL	DSDSDLSSSSLEDRL E	DSDSDLSSSSLEDRL B		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ALRAKLQTG		<i>;</i>	106 120	GSSSVFCKDCRKKVC	GSSSVFCKDCRK	GSSSVFCKDCRKKVC	CKDCRKKVC	3SSSVFCKDCRKKVC '	CKDCRKKVC	196 210	RIYTWARGRVVSSDS	RIYTWARGRVVSSDS	RIYTWARGRVVSSDS	RIYTWARGRVVGRKC	RIYTWARGRVVGRKC
	MADTIFGSGNDQWVC PNDRQL			91 105	1 NOC2 GLSQCLLCGEVLGFL (GLSQCLLCGEVLGFL G	GLSQCLLCGEVLGFL G	GLSQCLLCGEVLGFL GSSSVF	GLSQCLLCGEVLGFL GSSSVFCKDCRKKVC	GLSQCLLCGEVLGFL GSSSVF	181 195	PTEPAEREPRSSETS	PTEPAEREPRSSETS F	PTEPAEREPRSSETS F	PTEPAEREPRSSETS F	PTEPAEREPRSSETS R
4 LC2	5 LC3	6 LC4			1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC3	5 LC4

6 LC2 PTEPAEREPRSSETS RIYTWARGRVVSSDS DSDSDLSSSSLEDRL PSTGVRDRKGDKPWK ESGGSVEAPRMGFTQ PAGHLFGLQSSLASG	271 285 286 300 301 315 316 330	1 NOC2 ETGTGSADPPGGPRPGLTRR APVKDTPGRAPAADA APAGPSSCLG 315	2 NLI ETGTGSADPPGGGTG SADPPGGPRPGLTRR APVKDTPGRAPAADA APAGPSSCLG 296	3 LC1 ETGTGSADPPGGGTG SADPPGGPRPGLTRR APVKDTPGRAPAADA APAGPSSCLG 325	4 LC2 ETGTGSADPPGGGTG SADPPGGPRPGLTRR APVKDTPGRAPAADA APAGPSSCLG 243	5 LC3	128	6 LC2 1 NOC2 2 NL1 3 LC1 4 LC2 5 LC3	PTEPAEREPRSSETS 271 285 ETGTGSADPPGGGTG ETGTGSADPPGGGTG ETGTGSADPPGGGTG		DSDSDLSSSSLEDRL PSTGVR 301 315 316 APVKDTPGRAPAADA APAGPS APVKDTPGRAPAADA APAGPS APVKDTPGRAPAADA APAGPS APVKDTPGRAPAADA APAGPS APVKDTPGRAPAADA APAGPS	SCLG 315 SCLG 296 SCLG 243
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